



1

SEQUENCE LISTING

<110> Van Eyk, Jennifer E.
Iscoe, Steven D
Simpson, Jeremy A

<120> Methods of Diagnosing Muscle Damage

<130> 1997-023-02US

<140> 09/115,589
<141> 1998-07-15

<150> 60/052,697
<151> 1997-07-16

<160> 50

<170> PatentIn Ver. 2.1

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<223> Myosin light chain 1

<220>
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<222> (1)
<223> May be any amino acid.

<220>
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<222> (2)
<223> May be any amino acid.

<220>
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<222> (7)
<223> May be either Pro or Ala.

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<223> Myosin light chain 1

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 <222> (1)
 <223> May be any amino acid.

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 Xaa Pro Ala Pro Ala Ala Ala Pro Ala Ala Ala Pro
 1 5 10

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 <213> Unknown

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 <223> malate dehydrogenase

<220>
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 <222> (1)
 <223> May be any amino acid.

<220>
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 <222> (8)
 <223> May be any amino acid.

<400> 3
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 1 5 10

<210> 4
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 <212> PRT
 <213> Unknown

<220>
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 <223> ATP g synthase chain

<220>
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 <223> May be any amino acid.

<220>
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 <222> (2)
 <223> May be any amino acid.

<400> 4
 Xaa Xaa Leu Lys Asp Ile Thr Arg Arg Leu Lys Ser Ile
 1 5 10

<210> 5
 <211> 10

<212> PRT
 <213> Unknown

<220>
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<220>
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 <223> May be any amino acid.

<220>
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 <222> (2)
 <223> May be any amino acid.

<400> 5
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<210> 6
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 <213> Unknown

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 <223> serum albumin

<220>
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 <222> (1)
 <223> May be any amino acid.

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 Xaa Ala His Lys Ser Glu Ile Ala His Arg
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<210> 7
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<220>
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 <222> (1)..(11)
 <223> triose phosphate isomerase

<220>
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 <223> May be any amino acid.

<220>
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 <222> (4)

<223> May be Arg or Leu.

<400> 7

Xaa Pro Ser Xaa Lys Phe Phe Val Gly Gly Asn
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<210> 8

<211> 209

<212> PRT

<213> Unknown

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<223> Human cardiac troponin I

<220>

<223> Swiss prot identification number P19429

<300>

<303> FEBS Lett.

<304> 270

<305> 1-2

<306> 57-61

<307> 1990-09-17

<400> 8

Ala Asp Gly Ser Ser Asp Ala Ala Arg Glu Pro Arg Pro Ala Pro Ala
1 5 10 15

Pro Ile Arg Arg Arg Ser Ser Asn Tyr Arg Ala Tyr Ala Thr Glu Pro
20 25 30

His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln Leu
35 40 45

Lys Thr Leu Leu Leu Gln Ile Ala Lys Gln Glu Leu Glu Arg Glu Ala
50 55 60

Glu Glu Arg Arg Gly Glu Lys Gly Arg Ala Leu Ser Thr Arg Cys Gln
65 70 75 80

Pro Leu Glu Leu Ala Gly Leu Gly Phe Ala Glu Leu Gln Asp Leu Cys
85 90 95

Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr Asp
100 105 110

Ile Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu Thr
115 120 125

Gln Lys Ile Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu Arg
130 135 140

Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly Ala
145 150 155 160

Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val Lys
165 170 175

Lys Glu Asp Thr Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg Lys
 180 185 190

Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe Glu
 195 200 205

Ser

<210> 9
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 <212> PRT
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<220>
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 <222> (1)..(186)
 <223> Human slow skeletal troponin I

<220>
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<300>
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 <304> 7
 <305> 3
 <306> 346-357
 <307> Jul-1990

<400> 9
 Pro Glu Val Glu Arg Lys Pro Lys Ile Thr Ala Ser Arg Lys Leu Leu
 1 5 10 15

Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln Glu
 20 25 30

His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ala Glu Arg Ile
 35 40 45

Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp Leu
 50 55 60

Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg Tyr
 65 70 75 80

Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp Leu
 85 90 95

Lys Leu Lys Val Met Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu
 100 105 110

Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly
 115 120 125

Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser Val
 130 135 140

Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp Trp
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Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys Met
 165 170 175

Phe Asp Ala Ala Lys Ser Pro Thr Ser Gln
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<210> 10
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 <223> Human fast skeletal troponin I

<220>
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<300>
 <303> Biochim. Biophys. Acta
 <304> 1217
 <306> 338-340
 <307> 1994-04-06

<400> 10
 Gly Asp Glu Glu Lys Arg Asn Arg Ala Ile Thr Ala Arg Arg Gln His
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Leu Lys Ser Val Met Leu Gln Ile Ala Ala Thr Glu Leu Glu Lys Glu
 20 25 30

Glu Ser Arg Arg Glu Ala Glu Lys Gln Asn Tyr Leu Ala Glu His Cys
 35 40 45

Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu Cys
 50 55 60

Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr Asp
 65 70 75 80

Met Glu Val Arg Val Gln Lys Thr Ser Lys Glu Leu Glu Asp Met Asn
 85 90 95

Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu Arg
 100 105 110

Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly Ser
 115 120 125

Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val Lys
 130 135 140

Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp Trp
 145 150 155 160

Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys Met
 165 170 175

Phe Glu Ser Glu Ser

180

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<220>
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 <304> 30
 <305> 3
 <306> 707-712
 <307> 1991-01-22

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 1 5 10 15
 Pro Val Arg Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
 20 25 30
 Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
 35 40 45
 Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
 50 55 60
 Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys
 65 70 75 80
 Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu
 85 90 95
 Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr
 100 105 110
 Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu
 115 120 125
 Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
 130 135 140
 Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
 145 150 155 160
 Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val
 165 170 175
 Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg
 180 185 190
 Lys Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe

195

200

205

Glu Gly
210

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<223> Rat slow skeletal troponin I

<220>
<223> Swiss prot identification number P13413

<300>
<303> J. Biol. Chem.
<304> 264
<305> 24
<306> 14327-14333
<307> 1989-08-25

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Leu Lys Ser Leu Met Leu Ala Lys Ala Lys Glu Cys Trp Glu Gln Glu
20 25 30
His Glu Glu Arg Glu Ala Glu Lys Val Arg Tyr Leu Ser Glu Arg Ile
35 40 45
Pro Thr Leu Gln Thr Arg Gly Leu Ser Leu Ser Ala Leu Gln Asp Leu
50 55 60
Cys Arg Glu Leu His Ala Lys Val Glu Val Val Asp Glu Glu Arg Tyr
65 70 75 80
Asp Ile Glu Ala Lys Cys Leu His Asn Thr Arg Glu Ile Lys Asp Leu
85 90 95
Lys Leu Lys Val Leu Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu
100 105 110
Arg Arg Val Arg Val Ser Ala Asp Ala Met Leu Arg Ala Leu Leu Gly
115 120 125
Ser Lys His Lys Val Ser Met Asp Leu Arg Ala Asn Leu Lys Ser Val
130 135 140
Lys Lys Glu Asp Thr Glu Lys Glu Arg Pro Val Glu Val Gly Asp Trp
145 150 155 160
Arg Lys Asn Val Glu Ala Met Ser Gly Met Glu Gly Arg Lys Lys Met
165 170 175
Phe Asp Ala Ala Lys Ser Pro Thr Leu Gln

180

185

<210> 13
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<220>
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 20 25 30
 Glu Ser Arg Arg Glu Ser Glu Lys Gln Asn Tyr Leu Ser Glu His Cys
 35 40 45
 Pro Pro Leu His Ile Pro Gly Ser Met Ser Glu Val Gln Glu Leu Cys
 50 55 60
 Lys Gln Leu His Ala Lys Ile Asp Ala Ala Glu Glu Glu Lys Tyr Asp
 65 70 75 80
 Met Glu Val Lys Val Gln Lys Ser Ser Lys Glu Leu Glu Asp Met Asn
 85 90 95
 Gln Lys Leu Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro Pro Leu Arg
 100 105 110
 Arg Val Arg Met Ser Ala Asp Ala Met Leu Lys Ala Leu Leu Gly Ser
 115 120 125
 Lys His Lys Val Cys Met Asp Leu Arg Ala Asn Leu Lys Gln Val Lys
 130 135 140
 Lys Glu Asp Thr Glu Lys Glu Arg Asp Leu Arg Asp Val Gly Asp Trp
 145 150 155 160
 Arg Lys Asn Ile Glu Glu Lys Ser Gly Met Glu Gly Arg Lys Lys Met
 165 170 175
 Phe Glu Ser Glu Ser
 180

<210> 14
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 <212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(287)

<223> Human cardiac troponin T

<220>

<223> Swiss prot identification number P45379

<300>

<303> FEBS Lett.

<304> 328

<305> 1-2

<306> 139-144

<307> 1993-08-09

<400> 14

Ser Asp Ile Glu Glu Val Val Glu Glu Tyr Glu Glu Glu Glu Gln Glu
1 5 10 15

Glu Ala Ala Val Glu Glu Gln Glu Glu Ala Ala Glu Glu Asp Ala Glu
20 25 30

Ala Glu Ala Glu Thr Glu Glu Thr Arg Ala Glu Glu Asp Glu Glu Glu
35 40 45

Glu Glu Ala Lys Glu Ala Glu Asp Gly Pro Met Glu Glu Ser Lys Pro
50 55 60

Lys Pro Arg Ser Phe Met Pro Asn Leu Val Pro Pro Lys Ile Pro Asp
65 70 75 80

Gly Glu Arg Val Asp Phe Asp Asp Ile His Arg Lys Arg Met Glu Lys
85 90 95

Asp Leu Asn Glu Leu Gln Ala Leu Ile Glu Ala His Phe Glu Asn Arg
100 105 110

Lys Lys Glu Glu Glu Leu Val Ser Leu Lys Asp Arg Ile Glu Arg
115 120 125

Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Asn Glu Arg Glu
130 135 140

Lys Glu Arg Gln Asn Arg Leu Ala Glu Glu Arg Ala Arg Arg Glu Glu
145 150 155 160

Glu Glu Asn Arg Arg Lys Ala Glu Asp Glu Ala Arg Lys Lys Lys Ala
165 170 175

Leu Ser Asn Met Met His Phe Gly Gly Tyr Ile Gln Lys Gln Ala Gln
180 185 190

Thr Glu Arg Lys Ser Gly Lys Arg Gln Thr Glu Arg Glu Lys Lys Lys
195 200 205

Lys Ile Leu Ala Glu Arg Arg Lys Val Leu Ala Ile Asp His Leu Asn
210 215 220

Glu Asp Gln Leu Arg Glu Lys Ala Lys Glu Leu Trp Gln Ser Ile Tyr

225		230		235		240									
Asn	Leu	Glu	Ala	Glu	Lys	Phe	Asp	Leu	Gln	Glu	Lys	Phe	Lys	Gln	Gln
				245					250					255	
Lys	Tyr	Glu	Ile	Asn	Val	Leu	Arg	Asn	Arg	Ile	Asn	Asp	Asn	Gln	Lys
			260					265					270		
Val	Ser	Lys	Thr	Arg	Gly	Lys	Ala	Lys	Val	Thr	Gly	Arg	Trp	Lys	
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<210> 15
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<220>
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<300>
 <303> J. Biol. Chem.
 <304> 262
 <305> 33
 <306> 16122-16126
 <307> 1987-11-25

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Ala Ala Glu Glu Glu Glu Ala Pro Glu Glu Pro Glu Pro Val Ala
20 25 30
Glu Pro Glu Glu Glu Arg Pro Lys Pro Ser Arg Pro Val Val Pro Pro
35 40 45
Leu Ile Pro Pro Lys Ile Pro Glu Gly Glu Arg Val Asp Phe Asp Asp
50 55 60
Ile His Arg Lys Arg Met Glu Lys Asp Leu Leu Glu Leu Gln Thr Leu
65 70 75 80
Ile Asp Val His Phe Glu Gln Arg Lys Lys Glu Glu Glu Glu Leu Val
85 90 95
Ala Leu Lys Glu Arg Ile Glu Arg Arg Arg Ser Glu Arg Ala Glu Gln
100 105 110
Gln Arg Phe Arg Thr Glu Lys Glu Arg Glu Arg Gln Ala Lys Leu Ala
115 120 125
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Asp Asp Ala Lys Lys Lys Lys Val Leu Ser Asn Met Gly Ala His Phe

<210>	16
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<220>
<223> Swiss prot identification number P45378
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<303> DNA Cell Biol.
<304> 13
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<306> 217-233
<307> MAR-1994
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Ala Glu Glu Glu Lys Pro Arg Pro Lys Leu Thr Ala Pro Lys Ile Pro
35 40 45
Glu Gly Glu Lys Val Asp Phe Asp Asp Ile Gln Lys Lys Arg Gln Asn
50 55 60
Lys Asp Leu Met Glu Leu Gln Ala Leu Ile Asp Ser His Phe Glu Ala

65		70		75		80									
Arg	Lys	Lys	Glu	Glu	Glu	Glu	Leu	Val	Ala	Leu	Lys	Glu	Arg	Ile	Glu
			85						90					95	
Lys	Arg	Arg	Ala	Glu	Arg	Ala	Glu	Gln	Gln	Arg	Ile	Arg	Ala	Glu	Lys
			100					105					110		
Glu	Arg	Glu	Arg	Gln	Asn	Arg	Leu	Ala	Glu	Glu	Lys	Ala	Arg	Arg	Glu
		115					120					125			
Glu	Glu	Asp	Ala	Lys	Arg	Arg	Ala	Glu	Asp	Asp	Leu	Lys	Lys	Lys	Lys
	130					135					140				
Ala	Leu	Ser	Ser	Met	Gly	Ala	Asn	Tyr	Ser	Ser	Tyr	Leu	Ala	Lys	Ala
145					150					155					160
Asp	Gln	Lys	Arg	Gly	Lys	Lys	Gln	Thr	Ala	Arg	Glu	Met	Lys	Lys	Lys
				165					170					175	
Ile	Leu	Ala	Glu	Arg	Arg	Lys	Pro	Leu	Asn	Ile	Asp	His	Leu	Gly	Glu
			180					185					190		
Asp	Lys	Leu	Arg	Asp	Lys	Ala	Lys	Glu	Leu	Trp	Glu	Thr	Leu	His	Gln
		195					200					205			
Leu	Glu	Ile	Asp	Lys	Phe	Glu	Phe	Gly	Glu	Lys	Leu	Lys	Arg	Gln	Lys
	210					215					220				
Tyr	Asp	Ile	Thr	Thr	Leu	Arg	Ser	Arg	Ile	Asp	Gln	Ala	Gln	Lys	His
225					230					235					240
Ser	Lys	Lys	Ala	Gly	Thr	Pro	Ala	Lys	Gly	Lys	Val	Gly	Gly	Arg	Trp
				245					250					255	

Lys

<210> 17
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 <212> PRT
 <213> Unknown

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<220>
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 <304> 264
 <305> 24
 <306> 14471-14477
 <307> 1989-08-25

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Glu Asp Trp Ser Glu Glu Glu Glu Asp Glu Gln Glu Glu Ala Val Glu
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 Glu Glu Asp Gly Glu Ala Glu Pro Asp Pro Glu Gly Glu Ala Glu Ala
 35 40 45
 Glu Glu Asp Lys Ala Glu Glu Val Gly Pro Asp Glu Glu Ala Arg Asp
 50 55 60
 Ala Glu Asp Gly Pro Val Glu Asp Ser Lys Pro Lys Pro Ser Arg Leu
 65 70 75 80
 Phe Met Pro Asn Leu Val Pro Pro Lys Ile Pro Asp Gly Glu Arg Val
 85 90 95
 Asp Phe Asp Asp Ile His Arg Lys Arg Met Glu Lys Asp Leu Asn Glu
 100 105 110
 Leu Gln Thr Leu Ile Glu Ala His Phe Glu Asn Arg Lys Lys Glu Glu
 115 120 125
 Glu Glu Leu Ile Ser Leu Lys Asp Arg Ile Glu Lys Arg Arg Ala Glu
 130 135 140
 Arg Ala Glu Gln Gln Arg Ile Arg Asn Glu Arg Glu Lys Glu Arg Gln
 145 150 155 160
 Asn Arg Leu Ala Glu Glu Arg Ala Arg Arg Glu Glu Glu Glu Asn Arg
 165 170 175
 Arg Lys Ala Glu Asp Glu Ala Arg Lys Lys Lys Ala Leu Ser Asn Met
 180 185 190
 Met His Phe Gly Gly Tyr Ile Gln Lys Ala Gln Thr Glu Arg Lys Ser
 195 200 205
 Gly Lys Arg Gln Thr Glu Arg Glu Lys Lys Lys Lys Ile Leu Ala Glu
 210 215 220
 Arg Arg Lys Val Leu Ala Ile Asp His Leu Asn Glu Asp Gln Leu Arg
 225 230 235 240
 Glu Lys Ala Lys Glu Leu Trp Gln Ser Ile His Asn Leu Glu Ala Glu
 245 250 255
 Lys Phe Asp Leu Gln Glu Lys Phe Lys Gln Gln Lys Tyr Glu Ile Asn
 260 265 270
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 275 280 285
 Gly Lys Ala Lys Val Thr Gly Arg Trp Lys
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<210> 18
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<222> (1)..(258)

<223> Rat fast skeletal troponin T

<220>

<223> Swiss prot identification number P09739

<300>

<303> J. Mol. Biol.

<304> 188

<305> 3

<306> 313-324

<307> 1986-04-05

<400> 18

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			20					25					30		

Val	Gln	Glu	Glu	Glu	Lys	Pro	Arg	Pro	Lys	Leu	Thr	Ala	Pro	Lys	Ile
		35					40					45			

Pro	Glu	Gly	Glu	Lys	Val	Asp	Phe	Asp	Asp	Ile	Gln	Lys	Lys	Arg	Gln
	50					55					60				

Asn	Lys	Asp	Leu	Met	Glu	Leu	Gln	Ala	Leu	Ile	Asp	Ser	His	Phe	Glu
65					70					75					80

Ala	Arg	Lys	Lys	Glu	Glu	Glu	Leu	Ile	Ala	Leu	Lys	Glu	Arg	Ile	
				85				90						95	

Glu	Lys	Arg	Arg	Ala	Glu	Arg	Ala	Glu	Gln	Gln	Arg	Ile	Arg	Ala	Glu
			100					105					110		

Lys	Glu	Arg	Glu	Arg	Gln	Asn	Arg	Leu	Ala	Glu	Glu	Lys	Ala	Arg	Arg
		115					120					125			

Glu	Glu	Glu	Asp	Ala	Lys	Arg	Arg	Ala	Glu	Asp	Asp	Leu	Lys	Lys	Lys
	130					135					140				

Lys	Ala	Leu	Ser	Ser	Met	Gly	Ala	Asn	Tyr	Ser	Ser	Tyr	Leu	Ala	Lys
145					150					155					160

Ala	Asp	Gln	Lys	Arg	Gly	Lys	Lys	Gln	Thr	Ala	Arg	Glu	Met	Lys	Lys
				165					170					175	

Lys	Ile	Leu	Ala	Glu	Arg	Arg	Lys	Pro	Leu	Asn	Ile	Asp	His	Leu	Ser
			180					185					190		

Asp	Asp	Lys	Leu	Arg	Asp	Lys	Ala	Lys	Glu	Leu	Trp	Asp	Thr	Leu	Tyr
		195					200					205			

Gln	Leu	Glu	Thr	Asp	Lys	Phe	Glu	Phe	Gly	Glu	Lys	Leu	Lys	Arg	Gln
	210					215					220				

Lys	Tyr	Asp	Ile	Thr	Thr	Leu	Arg	Ser	Arg	Ile	Asp	Gln	Ala	Gln	Lys
225					230					235					240

His Ser Lys Lys Ala Gly Ala Thr Ala Lys Gly Lys Val Gly Gly Arg
 245 250 255

Trp Lys

<210> 19
 <211> 192
 <212> PRT
 <213> Unknown

<220>
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 <222> (1)..(192)
 <223> rat myosin light chain 1, atrial isoform

<220>
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<300>
 <303> Nucleic Acids Res.
 <304> 18
 <305> 6
 <306> 1581-1586
 <307> 1990-03-25

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 35 40 45
 Glu Glu Phe Lys Glu Ala Phe Ser Leu Phe Asp Arg Thr Pro Thr Gly
 50 55 60
 Glu Met Lys Ile Thr Tyr Gly Gln Cys Gly Asp Val Leu Arg Ala Leu
 65 70 75 80
 Gly Gln Asn Pro Thr Asn Ala Glu Val Leu Arg Val Leu Gly Lys Pro
 85 90 95
 Lys Pro Glu Glu Met Asn Ser Lys Thr Leu Asp Phe Glu Met Phe Leu
 100 105 110
 Pro Ile Leu Gln His Ile Ser Arg Asn Lys Glu Gln Gly Thr Tyr Glu
 115 120 125
 Asp Phe Val Glu Gly Leu Arg Val Phe Asp Lys Glu Ser Asn Gly Thr
 130 135 140
 Val Met Gly Ala Glu Leu Arg His Val Leu Ala Thr Leu Gly Glu Lys
 145 150 155 160
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185

190

<210> 20
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<220>
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 <222> (1)..(193)
 <223> Rat cardiac troponin I

<400> 20

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Pro	Val	Arg	Arg	Arg	Ser	Ser	Ala	Asn	Tyr	Arg	Ala	Tyr	Ala	Thr	Glu			
			20					25					30					
Pro	His	Ala	Lys	Lys	Lys	Ser	Lys	Ile	Ser	Ala	Ser	Arg	Lys	Leu	Gln			
		35					40					45						
Leu	Lys	Thr	Leu	Met	Leu	Gln	Ile	Ala	Lys	Gln	Glu	Met	Glu	Arg	Glu			
	50					55					60							
Ala	Glu	Glu	Arg	Arg	Gly	Glu	Lys	Gly	Arg	Val	Leu	Ser	Thr	Arg	Cys			
65					70				75						80			
Gln	Pro	Leu	Val	Leu	Asp	Gly	Leu	Gly	Phe	Glu	Glu	Leu	Gln	Asp	Leu			
				85					90					95				
Cys	Arg	Gln	Leu	His	Ala	Arg	Val	Asp	Lys	Val	Asp	Glu	Glu	Arg	Tyr			
		100						105					110					
Asp	Val	Glu	Ala	Lys	Val	Thr	Lys	Asn	Ile	Thr	Glu	Ile	Ala	Asp	Leu			
		115					120					125						
Thr	Gln	Lys	Ile	Tyr	Asp	Leu	Arg	Gly	Lys	Phe	Lys	Arg	Pro	Thr	Leu			
		130				135					140							
Arg	Arg	Val	Arg	Ile	Ser	Ala	Asp	Ala	Met	Met	Gln	Ala	Leu	Leu	Gly			
145					150				155						160			
Thr	Arg	Ala	Lys	Glu	Ser	Leu	Asp	Leu	Arg	Ala	His	Leu	Lys	Gln	Val			
			165						170					175				
Lys	Lys	Glu	Asp	Ile	Glu	Lys	Glu	Asn	Arg	Glu	Val	Gly	Asp	Trp	Arg			
			180					185					190					

Lys

<210> 21
 <211> 192
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE

<222> (1)..(192)

<223> Human cardiac troponin I

<400> 21

Ala	Asp	Gly	Ser	Ser	Asp	Ala	Ala	Arg	Glu	Pro	Arg	Pro	Ala	Pro	Ala
1				5					10					15	
Pro	Ile	Arg	Arg	Arg	Ser	Ser	Asn	Tyr	Arg	Ala	Tyr	Ala	Thr	Glu	Pro
			20					25					30		
His	Ala	Lys	Lys	Lys	Ser	Lys	Ile	Ser	Ala	Ser	Arg	Lys	Leu	Gln	Leu
		35					40					45			
Lys	Thr	Leu	Leu	Leu	Gln	Ile	Ala	Lys	Gln	Glu	Leu	Glu	Arg	Glu	Ala
	50					55					60				
Glu	Glu	Arg	Arg	Gly	Glu	Lys	Gly	Arg	Ala	Leu	Ser	Thr	Arg	Cys	Gln
65					70					75					80
Pro	Leu	Glu	Leu	Ala	Gly	Leu	Gly	Phe	Ala	Glu	Leu	Gln	Asp	Leu	Cys
				85					90					95	
Arg	Gln	Leu	His	Ala	Arg	Val	Asp	Lys	Val	Asp	Glu	Glu	Arg	Tyr	Asp
			100					105					110		
Ile	Glu	Ala	Lys	Val	Thr	Lys	Asn	Ile	Thr	Glu	Ile	Ala	Asp	Leu	Thr
		115					120					125			
Gln	Lys	Ile	Phe	Asp	Leu	Arg	Gly	Lys	Phe	Lys	Arg	Pro	Thr	Leu	Arg
	130					135					140				
Arg	Val	Arg	Ile	Ser	Ala	Asp	Ala	Met	Met	Gln	Ala	Leu	Leu	Gly	Ala
145					150					155					160
Arg	Ala	Lys	Glu	Ser	Leu	Asp	Leu	Arg	Ala	His	Leu	Lys	Gln	Val	Lys
				165					170					175	
Lys	Glu	Asp	Thr	Glu	Lys	Glu	Asn	Arg	Glu	Val	Gly	Asp	Trp	Arg	Lys
			180					185					190		

<210> 22

<211> 131

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (63)..(193)

<223> Rat cardiac troponin I

<400> 22

Arg	Glu	Ala	Glu	Glu	Arg	Arg	Gly	Glu	Lys	Gly	Arg	Val	Leu	Ser	Thr
1					5				10					15	
Arg	Cys	Gln	Pro	Leu	Val	Leu	Asp	Gly	Leu	Gly	Phe	Glu	Glu	Leu	Gln
			20					25					30		
Asp	Leu	Cys	Arg	Gln	Leu	His	Ala	Arg	Val	Asp	Lys	Val	Asp	Glu	Glu
		35					40					45			

19

Arg Tyr Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala
 50 55 60
 Asp Leu Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro
 65 70 75 80
 Thr Leu Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu
 85 90 95
 Leu Gly Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys
 100 105 110
 Gln Val Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp
 115 120 125
 Trp Arg Lys
 130

<210> 23
 <211> 131
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (62)..(192)
 <223> Human cardiac troponin I

<400> 23

Arg Glu Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Ala Leu Ser Thr
 1 5 10 15
 Arg Cys Gln Pro Leu Glu Leu Ala Gly Leu Gly Phe Ala Glu Leu Gln
 20 25 30
 Asp Leu Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu
 35 40 45
 Arg Tyr Asp Ile Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala
 50 55 60
 Asp Leu Thr Gln Lys Ile Phe Asp Leu Arg Gly Lys Phe Lys Arg Pro
 65 70 75 80
 Thr Leu Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu
 85 90 95
 Leu Gly Ala Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys
 100 105 110
 Gln Val Lys Lys Glu Asp Thr Glu Lys Glu Asn Arg Glu Val Gly Asp
 115 120 125
 Trp Arg Lys
 130

<210> 24
 <211> 121
 <212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (73)..(193)

<223> Rat cardiac troponin I

<400> 24

Gly Arg Val Leu Ser Thr Arg Cys Gln Pro Leu Val Leu Asp Gly Leu
1 5 10 15

Gly Phe Glu Glu Leu Gln Asp Leu Cys Arg Gln Leu His Ala Arg Val
20 25 30

Asp Lys Val Asp Glu Glu Arg Tyr Asp Val Glu Ala Lys Val Thr Lys
35 40 45

Asn Ile Thr Glu Ile Ala Asp Leu Thr Gln Lys Ile Tyr Asp Leu Arg
50 55 60

Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg Ile Ser Ala Asp
65 70 75 80

Ala Met Met Gln Ala Leu Leu Gly Thr Arg Ala Lys Glu Ser Leu Asp
85 90 95

Leu Arg Ala His Leu Lys Gln Val Lys Lys Glu Asp Ile Glu Lys Glu
100 105 110

Asn Arg Glu Val Gly Asp Trp Arg Lys
115 120

<210> 25

<211> 121

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (72)..(192)

<223> Human cardiac troponin I

<400> 25

Gly Arg Ala Leu Ser Thr Arg Cys Gln Pro Leu Glu Leu Ala Gly Leu
1 5 10 15

Gly Phe Ala Glu Leu Gln Asp Leu Cys Arg Gln Leu His Ala Arg Val
20 25 30

Asp Lys Val Asp Glu Glu Arg Tyr Asp Ile Glu Ala Lys Val Thr Lys
35 40 45

Asn Ile Thr Glu Ile Ala Asp Leu Thr Gln Lys Ile Phe Asp Leu Arg
50 55 60

Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg Ile Ser Ala Asp
65 70 75 80

21

Ala Met Met Gln Ala Leu Leu Gly Ala Arg Ala Lys Glu Ser Leu Asp
85 90 95

Leu Arg Ala His Leu Lys Gln Val Lys Lys Glu Asp Thr Glu Lys Glu
100 105 110

Asn Arg Glu Val Gly Asp Trp Arg Lys
115 120

<210> 26
<211> 17
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (194)..(210)
<223> Rat cardiac troponin I

<400> 26

Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe Glu
1 5 10 15

Gly

<210> 27
<211> 17
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (193)..(209)
<223> Human cardiac troponin I

<400> 27

Asn Ile Asp Ala Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe Glu
1 5 10 15

Ser

<210> 28
<211> 180
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (20)..(199)
<223> rat myosin light chain 1, atrial isoform

<400> 28

Ala Pro Ala Pro Ala Ala Ala Pro Ala Ala Ala Pro Glu Pro Glu Arg
1 5 10 15

Pro Lys Glu Ala Glu Phe Asp Ala Ser Lys Ile Lys Ile Glu Phe Thr
20 25 30

Pro Glu Gln Ile Glu Glu Phe Lys Glu Ala Phe Gln Leu Phe Asp Arg

22

35					40					45						
Thr	Pro	Lys	Gly	Glu	Met	Lys	Ile	Thr	Tyr	Gly	Gln	Cys	Gly	Asp	Val	
50					55					60						
Leu	Arg	Ala	Leu	Gly	Gln	Asn	Pro	Thr	Gln	Ala	Glu	Val	Leu	Arg	Val	
65					70					75					80	
Leu	Gly	Lys	Pro	Lys	Gln	Glu	Glu	Leu	Asn	Ser	Lys	Met	Met	Asp	Phe	
85					90					95						
Glu	Thr	Phe	Leu	Pro	Met	Leu	Gln	His	Ile	Ser	Lys	Asn	Lys	Asp	Thr	
100					105					110						
Gly	Thr	Tyr	Glu	Asp	Phe	Val	Glu	Gly	Leu	Arg	Val	Phe	Asp	Lys	Glu	
115					120					125						
Gly	Asn	Gly	Thr	Val	Met	Gly	Ala	Glu	Leu	Arg	His	Val	Leu	Ala	Thr	
130					135					140						
Leu	Gly	Glu	Arg	Leu	Thr	Glu	Asp	Glu	Val	Glu	Lys	Leu	Met	Ala	Gly	
145					150					155					160	
Gln	Glu	Asp	Ser	Asn	Gly	Cys	Ile	Asn	Tyr	Glu	Ala	Phe	Val	Lys	His	
165					170					175						
Ile	Met	Ala	Ser													
180																

<210> 29
<211> 19
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (1)..(19)
<223> rat myosin light chain 1, atrial isoform

400																
Pro	Pro	Lys	Lys	Pro	Glu	Pro	Lys	Lys	Glu	Thr	Ala	Lys	Val	Ala	Ala	
1					5					10					15	
Ala Pro Ala																

<210> 30
<211> 108
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (191)..(298)
<223> Rat cardiac troponin T

<400> 30

Asn	Met	Met	His	Phe	Gly	Gly	Tyr	Ile	Gln	Lys	Ala	Gln	Thr	Glu	Arg
1				5					10					15	
Lys	Ser	Gly	Lys	Arg	Gln	Thr	Glu	Arg	Glu	Lys	Lys	Lys	Lys	Ile	Leu
			20					25						30	
Ala	Glu	Arg	Arg	Lys	Val	Leu	Ala	Ile	Asp	His	Leu	Asn	Glu	Asp	Gln
		35					40					45			
Leu	Arg	Glu	Lys	Ala	Lys	Glu	Leu	Trp	Gln	Ser	Ile	His	Asn	Leu	Glu
	50					55					60				
Ala	Glu	Lys	Phe	Asp	Leu	Gln	Glu	Lys	Phe	Lys	Gln	Gln	Lys	Tyr	Glu
65					70				75						80
Ile	Asn	Val	Leu	Arg	Asn	Arg	Ile	Asn	Asp	Asn	Gln	Lys	Val	Ser	Lys
				85					90					95	
Thr	Arg	Gly	Lys	Ala	Lys	Val	Thr	Gly	Arg	Trp	Lys				
			100					105							

<210> 31
 <211> 190
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (1)..(190)
 <223> Rat cardiac troponin T

Ser	Asp	Ala	Glu	Glu	Glu	Val	Val	Glu	Tyr	Glu	Glu	Glu	Gln	Glu	Glu
1				5					10					15	
Glu	Asp	Trp	Ser	Glu	Glu	Glu	Glu	Asp	Glu	Gln	Glu	Glu	Ala	Val	Glu
			20					25					30		
Glu	Glu	Asp	Gly	Glu	Ala	Glu	Pro	Asp	Pro	Glu	Gly	Glu	Ala	Glu	Ala
		35					40					45			
Glu	Glu	Asp	Lys	Ala	Glu	Glu	Val	Gly	Pro	Asp	Glu	Glu	Ala	Arg	Asp
	50					55					60				
Ala	Glu	Asp	Gly	Pro	Val	Glu	Asp	Ser	Lys	Pro	Lys	Pro	Ser	Arg	Leu
65					70					75					80
Phe	Met	Pro	Asn	Leu	Val	Pro	Pro	Lys	Ile	Pro	Asp	Gly	Glu	Arg	Val
			85						90					95	
Asp	Phe	Asp	Asp	Ile	His	Arg	Lys	Arg	Met	Glu	Lys	Asp	Leu	Asn	Glu
			100					105					110		
Leu	Gln	Thr	Leu	Ile	Glu	Ala	His	Phe	Glu	Asn	Arg	Lys	Lys	Glu	Glu
		115					120						125		
Glu	Glu	Leu	Ile	Ser	Leu	Lys	Asp	Arg	Ile	Glu	Lys	Arg	Arg	Ala	Glu
	130					135					140				
Arg	Ala	Glu	Gln	Gln	Arg	Ile	Arg	Asn	Glu	Arg	Glu	Lys	Glu	Arg	Gln
145					150					155					160

Glu Glu Ala Lys Glu Ala Glu Asp Gly Pro Met Glu Glu Ser Lys Pro
50 55 60

25

Lys Pro Arg Ser Phe Met Pro Asn Leu Val Pro Pro Lys Ile Pro Asp
65 70 75 80

Gly Glu Arg Val Asp Phe Asp Asp Ile His Arg Lys Arg Met Glu Lys
85 90 95

Asp Leu Asn Glu Leu Gln Ala Leu Ile Glu Ala His Phe Glu Asn Arg
100 105 110

Lys Lys Glu Glu Glu Glu Leu Val Ser Leu Lys Asp Arg Ile Glu Arg
115 120 125

Arg Arg Ala Glu Arg Ala Glu Gln Gln Arg Ile Arg Asn Glu Arg Glu
130 135 140

Lys Glu Arg Gln Asn Arg Leu Ala Glu Glu Arg Ala Arg Arg Glu Glu
145 150 155 160

Glu Glu Asn Arg Arg Lys Ala Glu Asp Glu Ala Arg Lys Lys Lys Ala
165 170 175

Leu Ser Asn Met Met

<210> 34
<211> 13
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (136)..(148)
<223> Rat cardiac troponin I

<400> 34
Arg Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg
1 5 10

<210> 35
<211> 47
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (129)..(175)
<223> Rat cardiac troponin I

<400> 35
Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
1 5 10 15

Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
20 25 30

Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln
35 40 45

<210> 36
<211> 157
<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (54)..(210)

<223> Rat cardiac troponin I

<400> 36

Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu Ala Glu Glu Arg Arg
1 5 10 15

Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys Gln Pro Leu Val Leu
20 25 30

Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu Cys Arg Gln Leu His
35 40 45

Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr Asp Val Glu Ala Lys
50 55 60

Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu Thr Gln Lys Ile Tyr
65 70 75 80

Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg Ile
85 90 95

Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly Thr Arg Ala Lys Glu
100 105 110

Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val Lys Lys Glu Asp Ile
115 120 125

Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg Lys Asn Ile Asp Ala
130 135 140

Leu Ser Gly Met Glu Gly Arg Lys Lys Lys Phe Glu Gly
145 150 155

<210> 37

<211> 188

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(188)

<223> Rat cardiac troponin I

<400> 37

Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala
1 5 10 15

Pro Val Arg Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
20 25 30

Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
35 40 45

Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
50 55 60

Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys
65 70 75 80

Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu
85 90 95

Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr
100 105 110

Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu
115 120 125

Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
130 135 140

Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
145 150 155 160

Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val
165 170 175

Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val
180 185

<210> 38
<211> 199
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (1)..(199)
<223> Rat cardiac troponin I

<400> 38
Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala
1 5 10 15

Pro Val Arg Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
20 25 30

Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
35 40 45

Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
50 55 60

Ala Glu Glu Arg Arg Gly Glu Lys Gly Arg Val Leu Ser Thr Arg Cys
65 70 75 80

Gln Pro Leu Val Leu Asp Gly Leu Gly Phe Glu Glu Leu Gln Asp Leu
85 90 95

Cys Arg Gln Leu His Ala Arg Val Asp Lys Val Asp Glu Glu Arg Tyr
100 105 110

Asp Val Glu Ala Lys Val Thr Lys Asn Ile Thr Glu Ile Ala Asp Leu
115 120 125

Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu

28

130 135 140
Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
145 150 155 160
Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln Val
165 170 175
Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val Gly Asp Trp Arg
180 185 190
Lys Asn Ile Asp Ala Leu Ser
195

<210> 39
<211> 12
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (188)..(199)
<223> Human cardiac troponin I

<400> 39
Gly Asp Trp Arg Lys Asn Ile Asp Ala Leu Ser Gly
1 5 10

<210> 40
<211> 6
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (70)..(75)
<223> rat myosin light chain 1, atrial isoform

<400> 40
Tyr Gly Gln Cys Gly Asp
1 5

<210> 41
<211> 36
<212> PRT
<213> Unknown

<220>
<221> PEPTIDE
<222> (157)..(192)
<223> rat cardiac troponin I

<400> 41
Ala Leu Leu Gly Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His
1 5 10 15

Leu Lys Gln Val Lys Lys Glu Asp Ile Glu Lys Glu Asn Arg Glu Val
20 25 30

Gly Asp Trp Arg

35

<210> 42
 <211> 65
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (1)..(65)
 <223> rat cardiac troponin I

<400> 42
 Ala Asp Glu Ser Ser Asp Ala Ala Gly Glu Pro Gln Pro Ala Pro Ala
 1 5 10 15
 Pro Val Arg Arg Arg Ser Ser Ala Asn Tyr Arg Ala Tyr Ala Thr Glu
 20 25 30
 Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala Ser Arg Lys Leu Gln
 35 40 45
 Leu Lys Thr Leu Met Leu Gln Ile Ala Lys Gln Glu Met Glu Arg Glu
 50 55 60
 Ala
 65

<210> 43
 <211> 11
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (189)..(199)
 <223> rat cardiac troponin I

<400> 43
 Gly Asp Trp Arg Lys Asn Ile Asp Ala Leu Ser
 1 5 10

<210> 44
 <211> 12
 <212> PRT
 <213> Unknown

<220>
 <221> PEPTIDE
 <222> (137)..(148)
 <223> rat cardiac troponin I

<400> 44
 Gly Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg
 1 5 10

<210> 45
 <211> 47
 <212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (96)..(142)

<223> Synthetic skeletal troponin I

<400> 45

Thr Gln Lys Ile Tyr Asp Leu Arg Gly Lys Phe Lys Arg Pro Thr Leu
1 5 10 15

Arg Arg Val Arg Ile Ser Ala Asp Ala Met Met Gln Ala Leu Leu Gly
20 25 30

Thr Arg Ala Lys Glu Ser Leu Asp Leu Arg Ala His Leu Lys Gln
35 40 45

<210> 46

<211> 27

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (28)..(54)

<223> Rat cardiac troponin I

<400> 46

Ala Tyr Ala Thr Glu Pro His Ala Lys Lys Lys Ser Lys Ile Ser Ala
1 5 10 15

Ser Arg Lys Leu Gln Leu Lys Thr Leu Met Leu
20 25

<210> 47

<211> 12

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (137)..(148)

<223> human cardiac troponin I

<400> 47

Lys Phe Lys Arg Pro Thr Leu Arg Arg Val Arg Ile
1 5 10

<210> 48

<211> 161

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(161)

<223> human cardiac/slow skeletal troponin C

<400> 48

31

Met	Asp	Asp	Ile	Tyr	Lys	Ala	Ala	Val	Glu	Gln	Leu	Thr	Glu	Glu	Gln
1				5					10					15	
Lys	Asn	Glu	Phe	Lys	Ala	Ala	Phe	Asp	Ile	Phe	Val	Leu	Gly	Ala	Glu
		20						25					30		
Asp	Gly	Cys	Ile	Ser	Thr	Lys	Glu	Lys	Gly	Lys	Val	Met	Arg	Met	Lys
		35					40					45			
Gly	Gln	Asn	Pro	Thr	Pro	Glu	Glu	Lys	Gln	Glu	Met	Ile	Asp	Glu	Val
	50					55					60				
Asp	Glu	Asp	Gly	Ser	Gly	Thr	Val	Asp	Phe	Asp	Glu	Phe	Leu	Val	Met
65					70				75						80
Met	Val	Arg	Cys	Met	Lys	Asp	Asp	Ser	Lys	Gly	Lys	Ser	Glu	Glu	Glu
			85						90					95	
Leu	Ser	Asp	Leu	Phe	Arg	Met	Phe	Asp	Lys	Asn	Ala	Asp	Gly	Tyr	Ile
		100						105					110		
Asp	Leu	Glu	Glu	Leu	Lys	Ile	Met	Leu	Gln	Ala	Thr	Gly	Glu	Thr	Ile
	115						120					125			
Thr	Glu	Asp	Asp	Ile	Glu	Glu	Leu	Met	Lys	Asp	Gly	Asp	Lys	Arg	Arg
	130					135					140				
Asp	Gly	Arg	Ile	Asp	Tyr	Asp	Glu	Phe	Leu	Glu	Phe	Met	Lys	Gly	Val
145					150					155					160
Glu															

<210> 49

<211> 94

<212> PRT

<213> Unknown

<220>

<221> PEPTIDE

<222> (1)..(94)

<223> human cardiac/slow skeletal troponin C

<400> 49

Met	Asp	Asp	Ile	Tyr	Lys	Ala	Ala	Val	Glu	Gln	Leu	Thr	Glu	Glu	Gln
1				5					10					15	
Lys	Asn	Glu	Phe	Lys	Ala	Ala	Phe	Asp	Ile	Phe	Val	Leu	Gly	Ala	Glu
		20						25					30		
Asp	Gly	Cys	Ile	Ser	Thr	Lys	Glu	Lys	Gly	Lys	Val	Met	Arg	Met	Lys
		35					40					45			
Gly	Gln	Asn	Pro	Thr	Pro	Glu	Glu	Lys	Gln	Glu	Met	Ile	Asp	Glu	Val
	50					55					60				
Asp	Glu	Asp	Gly	Ser	Gly	Thr	Val	Asp	Phe	Asp	Glu	Phe	Leu	Val	Met
65					70				75						80
Met	Val	Arg	Cys	Met	Lys	Asp	Asp	Ser	Lys	Gly	Lys	Ser	Glu		
			85						90						

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